

## **ABSTRACT**

[0061] Disclosed herein is an update package generator which may employ a bank order determination module to determine an optimum bank order of memory banks of a binary image of at least one of firmware and software. The bank order may subsequently be employed in generation of an update package, wherein the size of the update package generated by the generator may be minimized. A bank order determination unit may selectively employ one of genetic algorithms and differential evolution techniques to determine an optimum bank order. Other parameters may also be employed in the generator. The generator may also be selectively optimized to employ at least one genetic evolution technique.